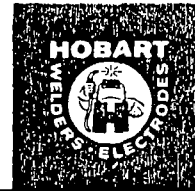


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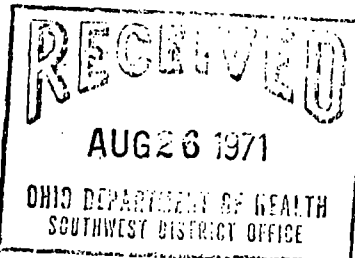
HOBART BROTHERS COMPANY

HOBART SQUARE • TROY, OHIO 45373 U.S.A. • (513) 339-6011



August 25, 1971

US EPA RECORDS CENTER REGION 5



Mr. Charles W. Forsthoff
State of Ohio, Department of Health
Southwest District Office
Knott Building, 40 S. Main Street
Dayton, Ohio 45402

Dear Mr. Forsthoff:

The following paragraphs describe the efforts of Hobart Brothers to eliminate their industrial waste steams to the nearby waterways. The enclosed drawing presents the latest changes Hobart Brothers has made in their process waste flows. Specifically, the following paragraphs present the efforts of the company to reduce the industrial waste flows.

Vaughn Line - Identified as L1 and L2 on Drawing No. 425676

The major flow contributors from this line are from the rinse water tanks used to rinse acid and copper sulfate from wire. Initially, these rinse tanks were on a 100% fresh water system yielding a flow of approximately 85 GPM. Presently, the system is operating as a 12% fresh water make-up, reducing the flow to approximately 10 GPM. Tests and analysis are being performed on the rinse water at every reduction in rinse water flow. These tests will provide further insight into problems (product quality) which may result from reducing the amount of fresh water entering the recirculating system. The intent of this documentation is to reduce the fresh water intake to a minimum, resulting in a small discharge to the sanitary sewer system of Troy.

Loopro Line - Identified as LCL1 and LCL2 on Drawing No. 425676

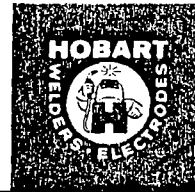
The same procedures, as outlined in the previous paragraphs, are being employed for the recirculating rinse water system used on this line. Currently, the system is operating on a 20% fresh water make-up, producing a flow of approximately 17 GPM. Again, the ultimate objective is to reduce the fresh water intake to a minimum, resulting in a small discharge to the sanitary sewer system of Troy.

Manufacturers of Arc Welding Systems/Aircraft Ground Power Equipment/Industrial Battery Chargers

CC & PLANS TO E. ARMSTRONG 10-6-71

HOBART BROTHERS COMPANY

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Mr. Charles W. Forsthoff
Sheet 2.
8-25-71

Wash Waters from Flux Mixers, Vibratory Washers, and Rod Cutting Wash Water

Several possible concepts for removing the objectionable solids from these operations and recirculating the water, have been proposed to us. These concepts are currently under evaluation by the Hobart Brothers Company, and a decision as to which technique is to be used will be determined in the next two weeks. The systems proposed will recirculate approximately 90% to 95% of the total flow resulting from these operations. Hence, a very small flow will result to the sanitary sewer system of Troy.

Other Areas

There are a couple of other areas where work has been accomplished to help further reduce the pollution problems of Hobart Brothers. The Earthen Settling Pond has been increased in size to provide a holding capability in the event the City of Troy requests such a measure. Additionally, baffles for the existing concrete settling basin are being designed, and it is anticipated that they will be installed in the next sixty days. These baffles will provide better settling of the solids in the settling basin.

The enclosed drawing, No. 425676, reflects the latest changes we have made to help divert all the effluents to the sanitary sewer system of Troy. Every attempt is being made to keep the total flow to the sanitary sewer system as low as possible. It is anticipated that a firm flow rate can be arrived at in the next month. At this time, finalized prints will be forwarded to you and the State of Ohio.

If you have further questions at this time, please feel free to contact me.

Very truly yours,

Don Karnes

HOBART BROTHERS COMPANY

DK/vd

Enc. drawing

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